Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/09/2019 10:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125656	0	1.01	125721	1.00
Blue	F	SSC	125000	124455	-1	1.62	125244	1.61
Blue	E	FITC	16694	16533	-1	2.58	359	19.39
Blue	D	PE	32792	32307	-2	1.77	705	14.03
Blue	B	PerCP-Cy5-5	44451	43965	-2	3.52	1187	19.88
Blue	A	PE-Cy7	33645	33475	-1	5.90	646	39.33
Red	C	APC	47008	46543	-1	2.34	1647	11.70
Red	A	APC-Cy7	32298	31239	-4	2.25	842	11.55
Violet	B	V450	8961	8489	-6	4.76	518	12.52
Violet	A	V500	32726	32122	-2	4.51	755	10.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21383	2.63	604	-9	N/A	N/A	Pass
Blue	F	SSC	56643	1.11	544	-24	N/A	N/A	Pass
Blue	E	FITC	65	62.06	541	-22	0.0218	98	Pass
Blue	D	PE	147	47.38	548	-18	0.1798	268	Pass
Blue	B	PerCP-Cy5-5	216	48.73	643	-28	0.0100	40	Pass
Blue	A	PE-Cy7	119	97.59	695	-31	0.0123	13	Pass
Red	C	APC	391	24.86	585	-28	0.0286	168	Pass
Red	A	APC-Cy7	186	27.56	559	-26	0.0064	780	Pass
Violet	B	V450	94	46.23	469	-17	0.0531	1918	Pass
Violet	A	V500	117	29.65	480	-16	0.0224	276	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.08	-31.96	1.02
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.52
Red	16.68	13.60 - 20.40	N/A	N/A	29.53	29.96	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9582

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments